```
MS TVHE I LCKLSLE GDHSTPPSAYGSVKAY
MALVSEYLSKLTLSYGGEREPKCPTVVAAY
MVE LKLL

      human ANX2
      T N F D A E R D A L D I E T A I K T K G V D E V T I V N I L D A A K I E T A I K T K G V D E Q T I I D I L N F E D A . I E T A I K T K G V D E T I . I L

      human ANX2
      T N R S N A Q R Q D I A F A Y Q R R T K K E L A S A L K S A L K G A T R S L L K R S D I A F E Y E K R A K K D L V S A L K G A T R S L K A K K L L S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K K D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K A A K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S A L K C D L V S
 human ANX2 LSGHLETVILGLKTPAQYDASELKASMKG
Danio ANX2b LSGSLEHLILGLKKTPQYDAFELKASMKG
LSG LE ILGLK. QYDA ELKASMKG
                                                                                                                                                                                                                                                     140

        human ANX2
        L G T D E D S L I E I I C S R T N Q E L Q E I N R V Y K E M

        Danio ANX2b
        L G T D E E S L I E M V C S R N K E E L A E I K K V Y K E M

        L G T D E . S L I E . C S R
        E L E I . V Y K E M

                                                                                                                                                                                                                                                                                                                                                          180
                                                                                                                                                                                                                                                     170
                                                         Y K T D L E K D L I S D T S G D F R K L M V A L A K G R R A F K K D L E K D I S G D T S G D F A K L L L A L A Q G N R E . K D L E K D I D T S G D F K L . A L A G R
  human ANX2
  Danio ANX2b
                                                                                                                                                190
                                                                                                                                                                                                                                                    200

      human ANX2
      E
      D
      G
      S
      V
      I
      D
      Y
      E
      L
      II
      D
      Q
      D
      A
      R
      D
      IZ
      D
      A
      G
      V
      K
      R
      K
      G
      T
      D
      V

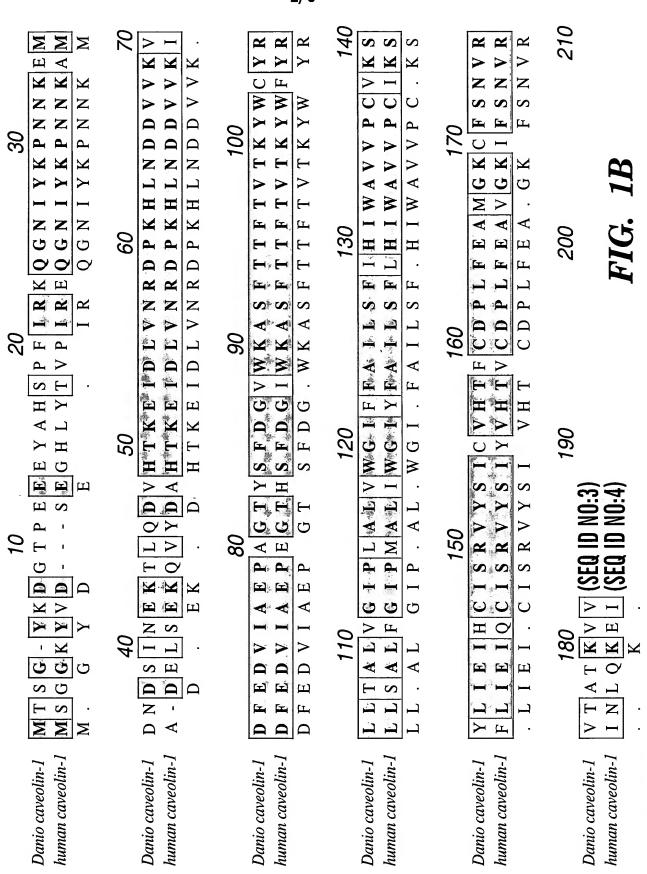
      Danio ANX2b
      E
      Q
      S
      V
      V
      D
      Y
      E
      K
      G
      T
      D
      V
      R
      K
      G
      T
      D
      V

      E
      S
      V
      D
      Y
      E
      I
      D
      D
      A
      R
      L
      Y
      C
      V
      R
      K
      G
      T
      D
      V

                                                                                                                                              220
                                                                                                                                                                                                                                                    230
                                                      P K W I S I M T E R S V P H L Q K V F D R Y K S Y S P Y D M V T W I S I F S E R S V S H L Q K V F E R Y K R Y S P Y D L W I S I . E R S V H L Q K V F . R Y K Y S P Y D L
  human ANX2
                                                       L E S I R K E V K G D L E N A F L N L V Q C I Q N K P L Y F K E S I R M E V K G D L E K S F L T L V E C L E N K H L Y F E S I R E V K G D L E F L L V C . N K L Y F
   Danio ANX2b
                                                                                                                                              280

      human ANX2
      A
      D
      R
      L
      Y
      D
      S
      M
      K
      G
      K
      G
      T
      R
      D
      K
      V
      S
      R
      S
      R
      L
      N
      D
      A
      M
      K
      G
      K
      S
      V
      E
      V
      D
      M
      K
      G
      K
      S
      R
      L
      D
      M
      K
      G
      K
      D
      K
      I
      I
      V
      S
      R
      E
      V
      D

 350
                                                                                                                                                                                                                                                                                                                                                          360
 human ANX2 L L Y L C G G D D (SEQ ID N0:1)
Danio ANX2b L L N L V G G D D (SEQ ID N0:2)
L L L G G D D
                                                                                                                                                                                                                                                                                                FIG. 1A
```



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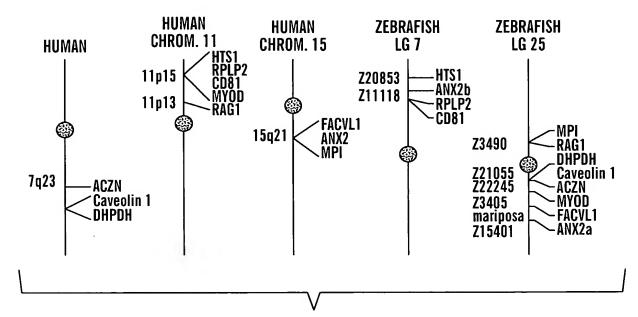


FIG. 2A

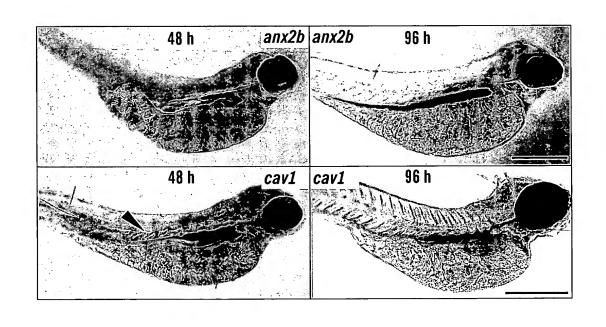
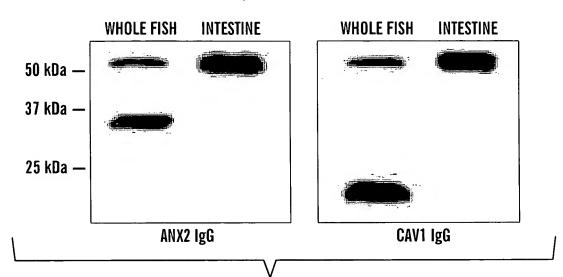


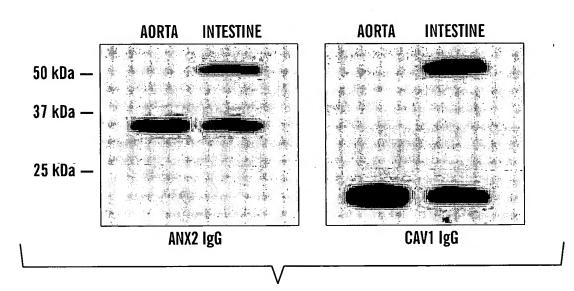
FIG. 2B

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## FIG. 2C

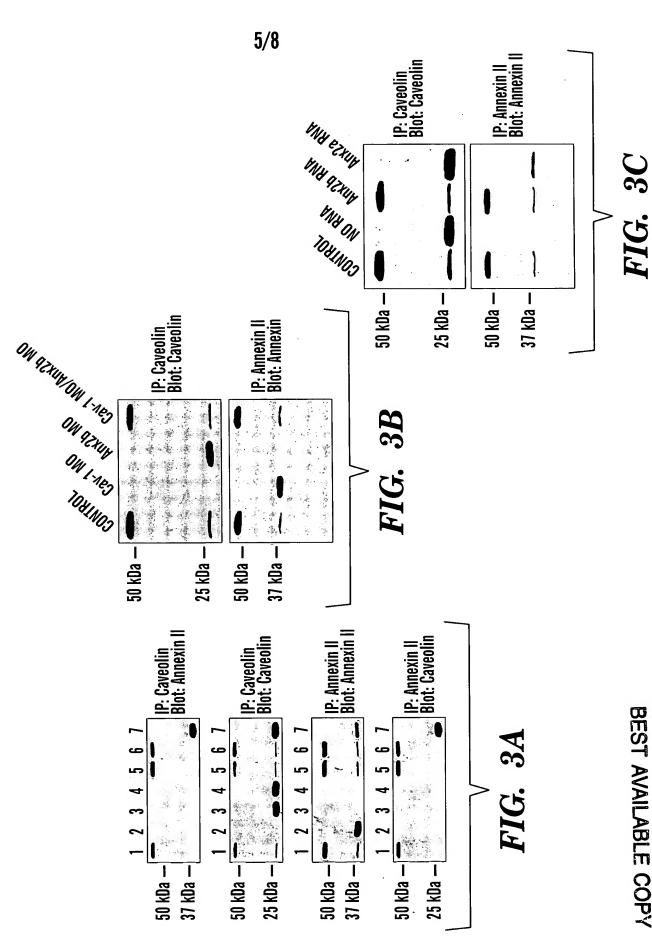


## FIG. 2D

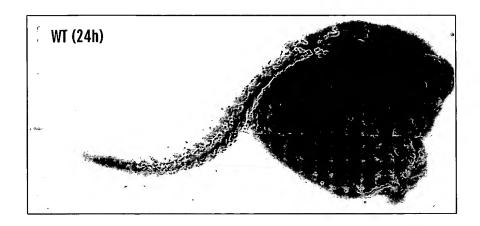
FRAGMENT 1: MTSGYKXGTPEEXYAHXPE FRAGMENT 2: EXDNDSINEXTLQXVH FRAGMENT 3: LTLSYGGEXEPK

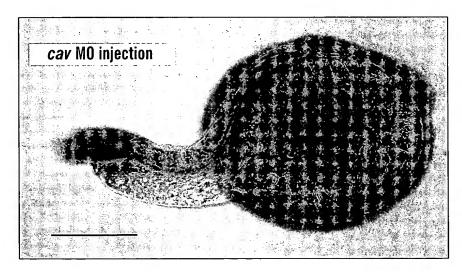
FRAGMENT 4: RSLLKRSDIAFEYE
FRAGMENT 5: VFEXYKRYSPXDL

Caveolin 1-20 (SEQ ID NO.5) Caveolin 34-49 (SEQ ID NO.6) Annexin IIb 11-22 (SEQ ID NO.7) Annexin IIb 63-76 (SEQ ID NO.8) Annexin IIb 228-240 (SEQ ID NO.9)



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**FIG.** 4

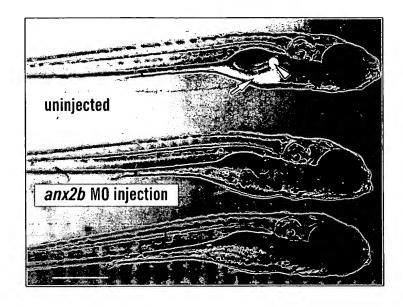


FIG. 5A

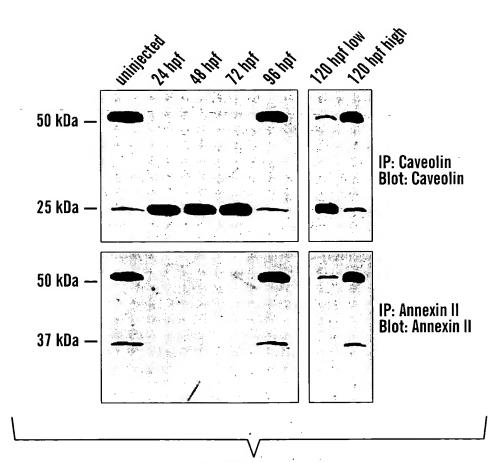


FIG. 5B

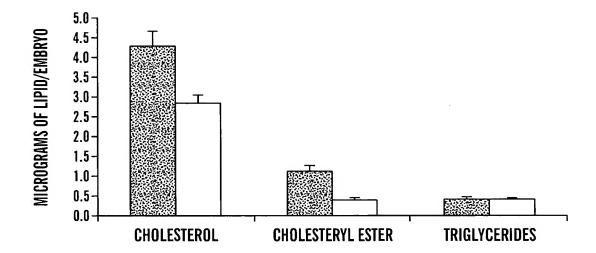


FIG. 5C